

Methods and Apparatus for Embedding and Format Conversion of
Compressed Video Data

ABSTRACT OF THE DISCLOSURE

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5 The present invention relates to systems and methods for embedding and/or format
conversion of compressed video data to match the available video decoding capability of a
target decoder. The present invention also allows video content embedding of one or more
compressed video data in another compressed bitstream to better use available channel
bandwidth between a video content supplier and a target decoder. Embedding may be further
10 advantageous for target digital receiver/decoders having multiple format decompression
capabilities. This may allow target digital receiver/decoders having multiple format
decompression capabilities to decompress the multiple compressed video bitstreams
simultaneously. The present invention may also include format conversion of the video
content based on the available video decoding capability of a target decoder. Format
15 conversion allows flexible transmission of video content even when the original format and
available decompression capability are mismatched.

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